

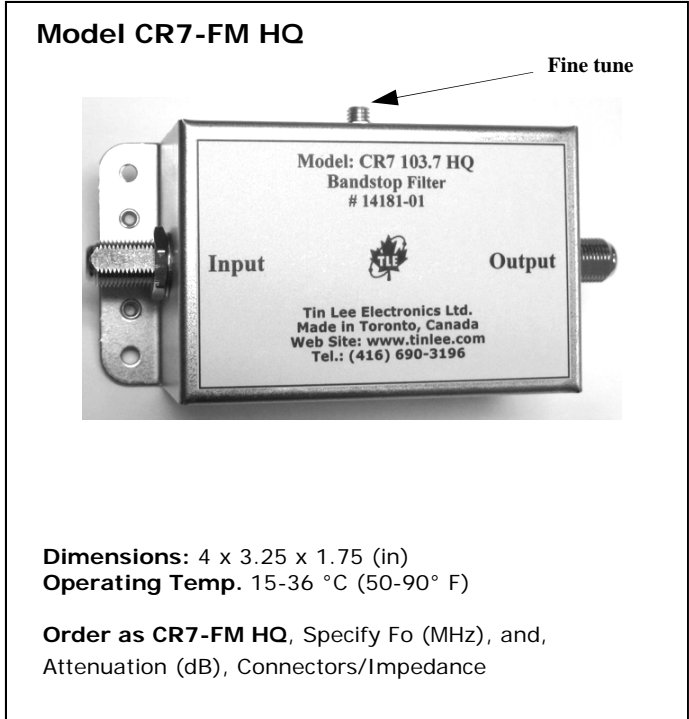


### CR7-FM HQ

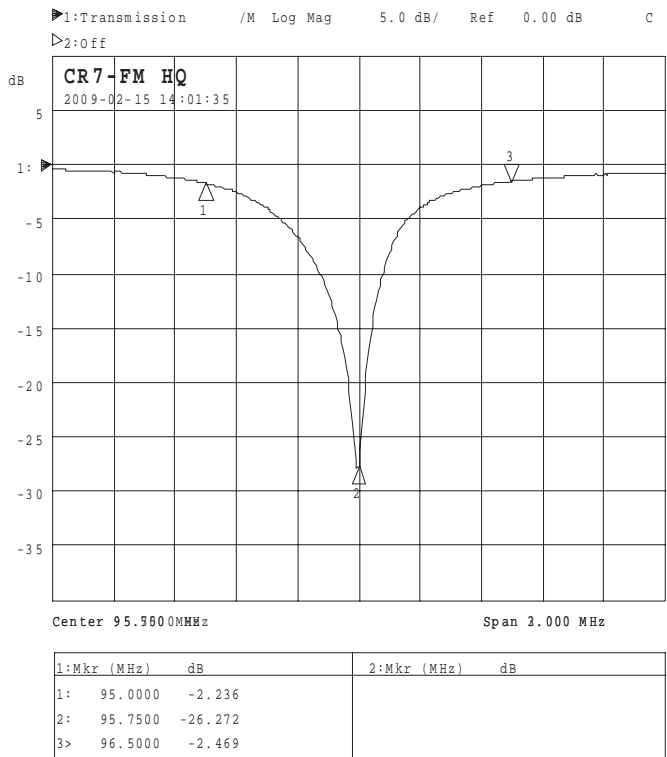
#### Description and Specifications

Model CR7- FM HQ is a fixed frequency FM notch. Its selectivity allows rejection of FM signals as close together as 0.75 MHz with <3.0dB loss to adjacent signals. It is tuned to one frequency (Fo) for 25dB to 35dB attenuation. It features "fine tune" trimmer to adjust Frequency (Fo +/- 0.1 MHz) and change attenuation (reduce preset value approx 15 dB).

- Notch Frequency (Fo) is user specified
- Notch Attenuation is available from 20 dB to 35 dB
- 3dB bandwidth ± 0.75 MHz (25dB notch)
- 3dB bandwidth ± 1.75 MHz (40 dB notch)
- Pass band: 5 MHz to 250 (optional -700 MHz)
- Standard Connector is F type, 75 ohms
- Optional Connectors: BNC, SMA, N—50 ohms
- RF Power handling: 1 watt max
- Graph supplied with this unit (sample below)



**Fig.1** Graph shows CR7-FM HQ with 25 dB notch at 95.75 MHz (Fo) with 3 dB BW of ± 0.75 MHz Fo.



**Fine Adjustments** – Use small flathead screw driver to adjust screws to fine tune notch frequency (see photo).

- ◻ Turn Screw clockwise for lower Fo
- ◻ Turn Screw counter-clockwise for higher Fo

**For best results** use an RF analyzer or Spectrum analyzer with tracking generator to view frequency response.

**Trap Adjustment with suitable equipment is recommended.**

**Frequency Adjustments** - Span 5 MHz at Fo. Notch frequency (Fo) can be fine tuned to a higher or lower frequency Fo +/- 0.1 MHz . This will also reduce attenuation at Fo up to approximately 15 dB.

**Caution:**  
**Do not tune screws beyond the FM frequency range, the screws may be damaged.**

